

a stator fixed with respect to said housing, said stator having a surface forming the boundary of an air gap,

a rotor coaxial to said stator and in torque-transmitting connection with the drive shaft, said drive shaft causing said rotor to exhibit a wobbling motion which describes a geometric slewing curve, said rotor having a surface forming a boundary of said air gap opposite from said surface of said stator, at least one of said surfaces approximating said geometric slewing curve in a cross section parallel to the drive shaft.

4. (Amended) A drive unit as in claim 1 wherein said surfaces are conical surfaces, the surface of said rotor being tangent to the slewing curve.

Enter new claims 6-9 as follows:

6. (New) A drive unit as in claim 1 wherein said drive shaft is supported in said housing by a bearing, said slewing curve having a center of rotation in said drive shaft, said center of rotation lying axially within said bearing.

7. (New) A drive unit as in claim 1 wherein said rotor comprises a plurality of permanent magnets which are radially offset from each other.

8. (New) A drive unit as in claim 1 wherein said rotor is arranged radially outside of said stator.